

QCTS: The Quick Compliance Tool Suite





About QCTS

- Government owned tools
 - ▶ Leverage existing government expertise and capabilities
 - ▶ Expedite IUID compliance efforts
 - ▶ Compatible ship and shore
 - ▶ Standard, repeatable, reusable
 - ▶ Facilitate communication across DON and beyond
- QCTS is in use throughout DON and DoD across numerous systems to achieve cost benefits
- Tools are being leveraged for use outside the IUID community



QCTS Components

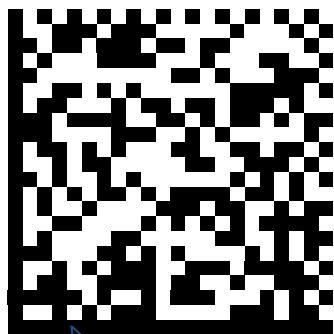
- IUID Compliance Checkers
 - ▶ Online
 - ▶ Handheld
- Integrated QCTS (iQ)
 - ▶ Handheld Support
 - ▶ IUID Marking
- Field Receipt and Acceptance (R&A)
- Code Libraries and Web Services implemented through APIs





QCTS IUID Compliance Checker

- Determines whether a 2D data matrix is IUID compliant
 - ▶ Reflection of IUID policy
 - ▶ Checks 54+ IUID permutations
- Upload IUID image file
- Includes Registry Status Checking
 - ▶ Single and Batch
- Available on OSD DPAP website



I'm IUID compliant...Trust me.

Screenshot of the QCTS IUID Compliance Checker software interface:

The interface includes:

- Header: QCTS IUID Compliance Registry Check Scanner Support
- Left sidebar: Click to Scan (with a barcode icon)
- Middle section:
 - Input fields: or Upload (Browse...), Check Image
 - Text input: Ull: D1633163A158097P1B333550
 - Compliance Results: UID passed error check.
 - Registry Results: Found in IUID Registry
- Table: Checks Performed
- Table: IUID Mark Data

Table: Checks Performed

Status	Check Type
✓	Check for Invalid Header
✓	Check for Invalid Format Code
✓	Check for Violation of Enterprise Identifier Constraints
✓	Check for Invalid CAGE Code
✓	Check for Invalid Original Part Number

Table: IUID Mark Data

Element Name	Value
CAGE	16331
Serial Number	B333550
Original Part Number	63A158097P1
Format	06
IAC	D
Ull	D1633163A158097P1B333550
Raw IUID	> </R/S> 06 <G/S> 17V16331 <G/S> P63A158097P1 <G/S> SB333550 <R/S> <EOT>



QCTS Mobile Compliance Checker

- Compatible with Windows Mobile based handhelds
- Includes all functionality of QCTS IUID Compliance Checker
 - ▶ Will check for registration status if wireless network is available
- Includes reporting functionality





Integrated QCTS (iQ)

- Modular data management system
 - ▶ Desktop, handheld, web interfaces
 - Fully automated synchronization
 - ▶ Allows users to design handheld applications
 - ▶ Interfaces to a variety of systems via flat file imports and exports
- IUID capabilities
 - ▶ Label and plate generation and direct part marking integrated with Bartender ©
 - ▶ Scanning and verification capabilities
 - ▶ Export data for registration





iQ Handheld Applications

- Expedite the job of marking personnel
- Quickly identify items using
 - ▶ Filtering capabilities
 - ▶ AIT (Scanning Barcodes)
- Compatible with IUID as well as other 2D and linear barcodes
- Support marking, inventory verification and opportunistic marking scenarios
- Associate UII with pedigree data
- Synchronize with iQ server or desktop for automatic registration of items
- Tested to handle 1,000,000+ items





Field Receipt and Acceptance Tool

- Field Receipt and Acceptance (R&A) Tool
 - ▶ Add-on to WAWF
 - ▶ Provides organizations ability to use AIT to streamline and accelerate acceptance functionality
 - ▶ Moves R&A from the workstation to the handheld
 - ▶ Process integrates IUID seamlessly
- Basic features and capabilities
 - ▶ Supports multiple locations
 - ▶ CAC enabled
 - ▶ Reads IUID and other 2D and linear barcodes





QCTS APIs

- QCTS functionality is available for incorporation into new and existing AISs
 - ▶ Downloadable Code Libraries
 - ▶ Web Services
- APIs (Application Programming Interfaces) are used to access this functionality
 - ▶ Read and validate IUID marks
 - ▶ Extract the UII
 - ▶ Retrieve the corresponding pedigree data
 - ▶ Update the AIS database
- Libraries available in Java, JavaScript, and .NET
- Example code provided to ease integration
- Can be used for web-based, desktop or handheld applications



Impact of QCTS APIs

- Functionality of QCTS tools can be reused to benefit DON:
 - ▶ Lead to consistency
 - ▶ Ease implementation by leveraging existing, repeatable processes and tools
 - ▶ Help coordinate activities and agency
 - ▶ Reduce stovepipe solutions to save time and money
 - ▶ Ease the dissemination of IUID requirement and process updates through centralization



Examples of QCTS Tool Reuse

- QCTS Functionality has been reused in new and existing business systems
 - ▶ ILO RAG
 - ▶ HILT
 - ▶ MFOM
 - ▶ PHIMS
 - ▶ BCS



QCTS Web Site

- QCTS tools and information are located on the QCTS web site
- Access to full suite of tools at

www.QCTS.org

QCTS
The Quick Compliance Tool Suite

Home About IUID Login to use QCTS Contact US QCTS FAQs

Jul 02. Announcing the Updated and Expanded IUID QCTS Product Family!

Category: News

No Comments

With the updated Tool Suite, IUID compliance has never been easier! Changes have been made throughout QCTS.org—a new Portal interface has been added, the Compliance Checker has been updated and expanded, and there are many new products to choose from. Keep reading to learn about the new products and updates OR simply click [here](#) to login!

QCTS Portal

The Portal is a unified interface that provides information about and access to all of the QCTS products currently available. Use the Portal to learn about products, download product support information, and even watch training videos. In addition, use the Portal to request access to other available QCTS products. Note: When you request access to a new product, you will be contacted by a QCTS representative within 48 hours.

Links

Department of Defense Guide to Uniquely Identifying Items

IUID Registry

Login to Use QCTS

QCTS Wiki

Quick Compliance Tool Suite Demonstration Video

Pages

Home

About IUID

Announcing the Updated and Expanded IUID QCTS Product Family!



Questions?